

IN THE CLAIMS:

Please cancel Claims 1 to 3 and 8 to 49 without prejudice to or disclaimer of the subject matter presented therein. Please amend the claims, and add new Claims 50 and 51, as shown below.

1 to 3. (Cancelled)

4. (Currently Amended) A probe set of infection detection probes each of which can detect an existence of a 16s rRNA gene originating in *Staphylococcus aureus* in a sample in which one or more of *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Escherichia coli*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, *Serratia marcescens*, *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Enterobacter cloacae* and *Enterococcus faecalis* possibly exists, wherein said the probe set includes plural types of probes consisting of different types of oligonucleotides, and wherein the different types of oligonucleotides consist of different base sequences selected from SEQ ID Nos. 1 to 14 or the complementary sequences thereof comprises:

an oligonucleotide consisting of SEQ ID No. 1 or the complementary sequence thereof; and

an oligonucleotide consisting of one of SEQ ID Nos. 2 to 14 or the complementary sequence thereof.

5. (Currently Amended) A probe set which can detect an existence of a 16s

rRNA gene originating in *Staphylococcus aureus*, the probe set including plural types of infection detection probes consisting of different types of oligonucleotides, wherein the different types of oligonucleotides consist of: ~~different base sequences selected from SEQ ID Nos. 1 to 14 or the complementary sequences thereof~~

SEQ ID No. 1 or the complementary sequence thereof; and

one of SEQ ID Nos. 2 to 14 or the complementary sequence thereof.

6. (Previously Presented) The probe set according to claim 5, wherein the probe set is chemically immobilized on a carrier.

7. (Withdrawn) A genetic screening method of detecting a gene originated in *Staphylococcus aureus* by using a carrier of claim 6.

8 to 49. (Cancelled)

50. (New) The probe set according to claim 4, wherein the probe set comprises fourteen oligonucleotides, each consisting of a different one of SEQ ID Nos. 1 to 14 or the complementary sequence thereof.

51. (New) An array on which the probe set according to claim 4 is immobilized, wherein the probe set includes the only probes on the array for detecting *Staphylococcus aureus*.